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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/848,046	05/03/2001	Yasumori Hino	YAMAP0594USA	5579
7	590 09/11/2002			
Mark D. Saralino RENNER, OTTO, BOISSELLE & SKLAR, LLP Nineteenth Floor			EXAMINER	
			ANGEBRANNDT, MARTIN J	
1621 Euclid Avenue Cleveland, OH 44115-2191		ART UNIT	PAPER NUMBER	
Cleveland, OH	44113-2191		1756	
			DATE MAILED: 09/11/2002	4

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	<i>"</i>			
Office Assistant Communication	09/848,046	HINO ET AL.				
Office Action Summary	Examin r	Art Unit				
The MAN INC DATE of this communication of	Martin J Angebranndt	1756	1-1			
Th MAILING DATE of this communication appriod for Reply	opears on the cover sheet	with the correspondence ad	aress			
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b). Status	. 136(a). In no event, however, may a ply within the statutory minimum of the d will apply and will expire SIX (6) MO to the cause the application to become	a reply be timely filed nirty (30) days will be considered timely DNTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 29	May 2001 and 03 May 20	<u>001</u> .				
2a) This action is FINAL . 2b)⊠ 1	his action is non-final.					
3) Since this application is in condition for allow closed in accordance with the practice under Disp sition of Claims			e merits is			
4) Claim(s) $7-9$ is/are pending in the application	١.					
4a) Of the above claim(s) is/are withdr	awn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>7-9</u> is/are rejected.						
7) Claim(s) is/are objected to.	☐ Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and	or election requirement.					
Application Papers						
9) The specification is objected to by the Examir						
10) The drawing(s) filed on is/are: a) acc						
Applicant may not request that any objection to to 11) The proposed drawing correction filed on			er			
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the E	• •					
Priority under 35 U.S.C. §§ 119 and 120						
13)⊠ Acknowledgment is made of a claim for forei	gn priority under 35 U.S.C	. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documer	nts have been received.					
2. Certified copies of the priority documents have been received in Application No. 09/128,121.						
 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
 a) The translation of the foreign language p 15) Acknowledgment is made of a claim for domes 						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) Notice of	w Summary (PTO-413) Paper No of Informal Patent Application (PT				

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day.

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 7-9 are rejected under 35 U.S.C. 102(b) as being fully anticipated by Van et al. EP 0304312.

In Van et al. EP 0304312, see the description with respect to figures 5a and figures 6a, where the first exposure using two beams forms two tracks (figure 5a) and the second shifts the beams so that the leftmost beam overlaps with the previously exposed region by "L".

3. Claims 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Adachi et al. JP 01-185851, in view of Van et al. EP 0304312, Miyagi et al. JP 62-223837 and Fujita et al. JP 04-093828.

Adachi et al. JP 01-185851 teach the simultaneous use of two beams which are offset to form wide grooves in photoresists.

Miyagi et al. JP 62-223837 teaches the serial exposure of the photoresist to form different features, such as pits and grooves, for optical disk masters with developing in between. (abstract and document)

Fujita et al. JP 04-093828 teaches the desirability of being able to form grooves of different widths using a single laser. (abstract and document)

It would have been obvious to one skilled in the art to perform the overlapping irradiation of Adachi et al. JP 01-185851 in a serial manner, rather than simultaneously, based upon the teachings of Van et al. EP 0304312 and Miyagi et al. JP 62-223837 establishing serial exposure

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of photoresists including overlapping of the exposed areas is old and well known in the art and the advantage of being able to perform the exposure with a single laser and laser beam, which requires a simpler apparatus and is taught a being desirable by Fujita et al. JP 04-093828.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hino et al. '845 is the patent, which matured form the parent application.

Hirokane et al., JP 04-047543, Omori et al. JP 05-189813, Nagaura JP 01-052236, Adachi et al.

JP 02-126436 teach the simultaneous use of two beams which are offset to form wide grooves in photoresists and are currently cumelative.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Martin J Angebranndt whose telephone number is 703-308-4397. The examiner can normally be reached on Mondays-Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 703-308-2464. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-3/08/0661.

Martin Angebranndt
Primary Examiner
Art Unit 1756

September 7, 2002